Attachment 5
Conversion of DOE NPH Standards to National Consensus Standards

COORDINATION MEETING - DOE, NRC AND STANDARDS DEVELOPMENT ORGANIZATIONS

WEDNESDAY, JUNE 27, 2001
U.S. DEPARTMENT OF ENERGY
FORRESTAL BUILDING, ROOM GH-027

Background

- In June, 1996 DOE Initiated a Program to Convert Four DOE Technical Standards on Designing for Natural Phenomena Hazards into National Consensus Standard.
- DOE Standards 1020, 1021, 1022 and 1023 Provide Requirements for Evaluation and Design of Nuclear Facilities to Resist Earthquake,Wind/Tornado and Flooding.
- The Program Began June, 1996 with ANS Working Groups (WGs) Formed to Address STDs 1021, 1022 and 1023. A Year Later an ASCE Working Group was Formed to Address STD 1020.

Four Standards Under Development

- ANS 2.26, Categorization of Nuclear Facility Structures, Systems and Components for Seismic Design and Evaluation
- ANS 2.27, Evaluation Criteria for Characterizing Seismic Hazards for Nuclear Facilities
- ANS 2.29, Probabilistic Seismic Hazards Analysis for Nuclear Facilities
- ASCE xxx, Seismic Design Criteria for Structures and Seismic Input for Systems and Components in Nuclear Facilities

Summary of Experience

- WGs Included DOE, Contractor, DNFSB and NRC Participation.
- The Complexity of Covering Three Natural Phenomena and Resolving Issues Concerned with Probabilistic Informed Design Have Presented Difficulties.
- Following Several Meetings it was Agreed to Focus Only on Seismic Hazard.
- Progress has Remained Slow Because of the Level of Voluntary Participation and the Desire to “Improve” the DOE Standards.

Current Status

- ANS 2.26 and ASCE xxx are Scheduled for Submittal to Consensus Committee Balloting December 2001.
  - These two Standards Required Close Integration and Consensus Building has Been Most Difficult

- ANS 2.27 and 2.29 are Scheduled to be Submitted for Consensus Committee Balloting mid 2002.
  - These two Standards Reached Consensus Relatively Quickly but Completion has Been Held up Waiting to be Integrated with the ANS 2.26 and ASCE xxx.